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Yaen, Christopher

Triday, November 30, 2001 12:08 PM STIC-ILL

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3. Burton et al Am J vet Res 42(2): 308-310, 1981

### Thanks

Christopher Yaen Patent Examiner
Art Unit 1642, Mail Box 8E12
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From:

Yaen, Christopher

Sent: To: Friday, November 30, 2001 4:24 PM STIC-ILL 09648896

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Could you please obtain the following references:

1. Kern et al. Amerinan Journal of Respiratory Cell and Molecular Biology 9(4):p 448-454, Oct 1993

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Lyophilized hyperimmune equine serum as a source of antibodies for neonatal foals.

Burton SC, Hintz HF, Kemen MJ, Holmes DF.

In a study with 15 neonatal foals (5 per treatment group), foals were fed within 4 hours of birth as follows: 250 ml of colostrum, 250 ml of lyophilized serum reconstituted at 5 times the original concentration, or 250 ml of a mixture (1:1) of colostrum and lyophilized serum. Foal serum samples were tested for immunoglobulin (Ig)G concentration and titrated for anti-equine rhinovirus 1 and anti-equine influenza A1 and A2 antibodies at and 24 hours after foals were born. Except in a foal which had suckled the dam before treatment, there was no evidence of IgG or specific viral antibodies in the samples taken at birth. There were no significant differences found in the serum IgG concentrations and antibody titers among the 3 treatment groups. Seemingly, IgG was absorbed efficiently from both serum and colostrum, so that the use of reconstituted lyophilized serum as a prophylactic measure of conferring passive immunity to a newborn foal deserves serious consideration.

PMID: 6266291 [PubMed - indexed for MEDLINE]

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